

ABSTRACT

The present invention relates to a method for producing plants with improved agronomic and nutritional traits. Such traits include enhanced nitrogen

5 assimilatory and utilization capacities, faster and more vigorous growth, greater vegetative and reproductive yields, and enriched or altered nitrogen content in vegetative and reproductive parts. More particularly, the invention relates to the engineering of plants

10 modified to have altered expression of key enzymes in the nitrogen assimilation and utilization pathways. In one embodiment of the present invention, the desired altered expression is accomplished by engineering the plant for ectopic overexpression of one of more the native or

15 modified nitrogen assimilatory enzymes. The invention also has a number of other embodiments, all of which are disclosed herein.

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